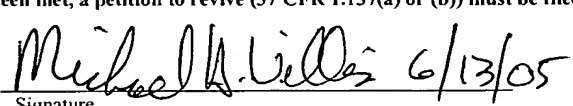


FORM PTO-1390 (REV 02-2005)		ATTORNEY DOCKET NUMBER 4439-4034
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/539032</b>
		Not Yet Assigned
INTERNATIONAL APPLICATION PCT/JP2003/015418	INTERNATIONAL FILING DATE December 2, 2003	PRIORITY DATE CLAIMED December 13, 2002
TITLE OF INVENTION GLUCOSE AND/OR FRUCTOSE TRANSPORTER NaGLT1 AND ITS GENE		
APPLICANT(S) FOR DO/EO/US INUI, Ken-ichi and MASUDA, Satoshiro		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected. (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (35 pgs. Specification; 6 pgs. Claims 1-29; 1 pg. Abstract; 13 pgs. Formal Drawings – Figs. 1-10)</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) (Unexecuted).</p> <p>10. <input type="checkbox"/> An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input checked="" type="checkbox"/> Statement under 37 CFR §§1.821(f) and 1.825(b) and A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or Information:</p> <p><small>Copy of Request for PCT Application (in Japanese); Published PCT application WO 2004/055184 (published July 1, 2004); Copy of International Search Report (Form PCT/ISA/210); Copy of Notification of Transmittal of the International Search Report or the Declaration (Form PCT/ISA/220); Copy of Notification of Receipt of Record Copy (Form PCT/IB/301); Copy of Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304); Copy of Form PCT/IB/332; Copy of Notification of Receipt of Search Copy (Form PCT/ISA/202); Copy of Form PCT/RO/105; Copy of Form PCT/RO/106; Copy of Form PCT/IPEA/402; Copy of Form PCT/IPEA/408; Copy of Form PCT/IPEA/409; Copy of Form PCT/IPEA/416; and A check in the amount of \$2650.00 in payment of the filing fee; a Verified Certification of Express Mailing and a Return Receipt Postcard.</small></p>		

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NO.	
10/539032		PCT/JP2003/015418		4439-4034	
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee.....\$300				\$300.00	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....\$100 All other situations.....\$200				\$200.00	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100 International Search Report prepared and provided to the Office.....\$400 All other situations.....\$500				\$400.00	
<b>TOTAL OF 21, 22 and 23 =</b>				\$900.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
FILL IN - 100 =	/50 =	0	x \$250.00	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	43 - 20 =	23	x \$50.00	\$ 1,150.00	
Independent claims	6 - 3 =	3	x \$200.00	\$ 600.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,750.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$ 2,650.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
<b>TOTAL FEES ENCLOSED =</b>				\$ 2,650.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ 2,650.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 13-4500 in the amount of \$_____ to cover the above fees.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-4500, Order No. 4439-4034. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Enter Address Here MORGAN &amp; FINNEGAN, L.L.P. 3 World Financial Center New York, NY 10281 212-415-8700 (telephone) 212-415-8701 (facsimile)</p> <p style="text-align: right;">   Signature  Michael A. Willis/Kenneth Sonnenfeld  Name  53,913/33,285  REGISTRATION NUMBER </p>					

10/539032  
JC17 Rec'd PCT/PTO 13 JUN 2005

IN THE UNITED STATES

☒ RECEIVING OFFICE (RO/US)  
☐ DESIGNATED OFFICE (DO/US)  
☐ ELECTED OFFICE (EO/US)

INTERNATIONAL APPLICATION NO.  
PCT/JP2003/015418

INTERNATIONAL FILING DATE  
December 2, 2003

PRIORITY DATE CLAIMED  
December 13, 2002

TITLE OF INVENTION  
GLUCOSE AND/OR FRUCTOSE TRANSPORTER NaGLT1 AND ITS GENE

APPLICANT(S)  
INUI, Ken-ichi and MASUDA, Satoshiro

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**VERIFIED CERTIFICATION OF EXPRESS MAILING DATE  
(INTERNATIONAL APPLICATION (37 CFR 1.10(c)))**

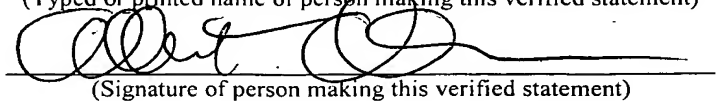
I declare that on **June 13, 2005** I deposited with the United States Postal Service in an envelope "Express Mail, Post Office to Addressee", bearing Label Number **EV 622483730 US**, addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 and having an express mail certification which I executed, the following papers:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) (DO/EO/US)
2. English Translation of Application (35 pgs. Specification; 6 pgs. Claims 1-29; 1 pg. Abstract; 13 pgs. Formal Drawings – Figs. 1-10)
3. Copy of Request for PCT Application (in Japanese)
4. Information Disclosure Statement
5. PTO-Form 1449 with copies of cited references
6. Published PCT application WO 2004/055184 A1
7. Unexecuted Combined Declaration and Power of Attorney
8. Copy of International Search Report (Form PCT/ISA/210)
9. Copy of Notification of Transmittal of the International Search Report or the Declaration (Form PCT/ISA/220)
10. Copy of Notification of Receipt of Record Copy (Form PCT/IB/301)
11. Copy of Notification Concerning Submission or Transmittal of Priority Document (Form PCT/IB/304)
12. Copy of Form PCT/IB/332
13. Copy of Notification of Receipt of Search Copy (Form PCT/ISA/202)
14. Copy of Form PCT/RO/105
15. Copy of Form PCT/RO/106
16. Copy of Form PCT/IPEA/402
17. Copy of Form PCT/IPEA/408
18. Copy of Form PCT/IPEA/409
19. Copy of Form PCT/IPEA/416
20. Statement under 37 C.F.R. §§ 1.821(f) and 1.825(b), including paper copy and a computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821-1.825
21. A check in the amount of \$2,650.00 in payment of the filing fee
22. Return Receipt Postcard

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application of any patent issuing thereon.

Albert Isles

(Typed or printed name of person making this verified statement)



(Signature of person making this verified statement)

June 13, 2005  
Date

(Verified Certification of Express Mailing Date (International Application) [13-12])